



Technical Data Sheet

SOLVAG™ SA-70

Solvating Agent

Product Description

SOLVAG™ SA-70 Solvating Agent is a high-performance cleaning solution designed to operate in Co-solvent vapor and Bi-solvent vapor degreasing applications. This two-component process effectively removes greases, hydraulic fluids, metalworking fluids, oils, waxes and other contaminants. Selected for its low-volatility, compatibility with metallic alloys and polymers, and exceptional cleaning ability, SOLVAG SA-70 is ideal for removing even the most challenging contaminants.

In these applications, SOLVAG SA-70 is paired with **LENIUM™ Rinsing Agents** as part of Vantage's Co-solvent or Bi-solvent vapor degreasing processes. These versatile cleaning methods allow for precise adjustments in temperature and solvency, offering an effective and environmentally responsible alternative to traditional vapor degreasing processes that use regulated solvents such as Trichloroethylene (TCE), Perchloroethylene (PERC), n-Propyl Bromide (nPb), and Trans-1,2-dichloroethylene (TRANS).

Features and Benefits

SOLVAG 70 used in a co-solvent process with a fluoroochemical rinse offers several advantages relative to other cleaning processes.

- Good materials compatibility
- Excellent solvency
- High soil loading capabilities
- Use temperature flexibility
- Low vapor pressure
- Low toxicity
- Non-corrosive
- Contains no chlorine, bromine

Properties

| | |
|--------------------------|-----------------|
| Appearance | Clear liquid |
| Odor | Very low |
| Specific Gravity (25 °C) | 0.88 |
| Vapor Pressure (20 °C) | <1.0 mm HG |
| Flash Point | 223°F (106°C) |
| Boiling Point | >350°F (>177°C) |



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Process

For co-solvent vapor degreasing, mix solvating and rinsing agent, adjusting the settings based on the mixtures boiling points.

Controller Settings

| | |
|--|-----------------|
| Liquid Temperature Controller/Sensor (LTC) | +10°F (+6°C) |
| High Temperature Controller (HTC) | +15°F (+9°C) |
| Safety Vapor Controller (SVC) | -10°F (-6°C) |
| Vapor Up Temperature (VU) | -10°F (-6°C) |
| Primary Refrigeration Temperature | 35-40°F (2-5°C) |

Co-solvent Vapor Degreasing

Co-solvent cleaning is a vapor degreasing technique in which two solvents of different compositions are combined to meet regulatory, performance and compatibility requirements. This method is suitable for use in dual-sump vapor degreasers.

- 1) **Cleaning:** SOLVAG 70 Solvating Agent and a selected LENIUM-branded Rinsing Agent are blended in the boil sump of the vapor degreaser. Parts are immersed in this mixture, where the solvating agent effectively dissolves and removes oils, greases, and other contaminants effectively.
- 2) **Rinsing:** Cleaned parts are exposed to the pure Rinsing Agent, either by immersion in the rinse sump or through direct vapor contact. This step removes residues of the Solvating Agent and contaminants, providing a thorough rinse for a residue-free finish.
- 3) **Drying:** The parts are dried in the vapor zone, where the Rinsing Agent evaporates completely, leaving the surfaces clean, dry, and free from residues. The condensed solvent is returned to the system for reuse, making the process efficient and environmentally friendly.

Bi-solvent Vapor Degreasing

Bi-solvent cleaning is a vapor degreasing technique in which two solvents of different compositions are used sequentially to meet regulatory, performance and compatibility requirements.

- 1) **Cleaning:** Parts are immersed in a tank containing SOLVAG 24 Solvating Agent. This step ensures thorough initial cleaning by breaking down soils effectively. Heat and agitation may be incorporated to improve cleaning ability.
- 2) **Rinsing:** The parts are transferred to a vapor degreasing system, where are rinsed using a LENIUM-branded rinse agent, either by immersion or through direct vapor contact. This step prevents soil redeposition and removes any residues of the Solvating Agent or contaminants, ensuring a spotless finish.
- 3) **Drying:** The parts are dried in the vapor zone, where the Rinsing Agent evaporates completely, leaving the surfaces clean, dry, and free from residues. The condensed solvent is returned to the system for reuse, making the process efficient and environmentally friendly.



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Disposal/Safety

Disposal

Vantage recommends contacting your current or local environmental service company for proper disposal.

Safety

Please see Safety Data Sheet for further information.

Packaging

Available in pails and drums.

Shelf Life

36 months when stored in original, sealed container above 50°F (10°C). Protect product from freezing.

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